

Lucas

John

1642

PAGE: 1

RAW SEQUENCE LISTING
PATENT APPLICATION US/08/192,861A

DATE: 07/20/98
TIME: 11:46:52

INPUT SET: S27547.raw

38

This Raw Listing contains the General Information Section and up to the first 5 pages.

ENTERED

1
2
3 (1) General Information:
4
5 (i) APPLICANT: Le, Junming
6 Vilcek, Jan
7 Daddona, Peter E.
8 Ghrayeb, John
9 Knight, David M.
10 Siegel, Scott A.
11
12 (ii) TITLE OF INVENTION: METHODS OF TREATING TNF α -MEDIATED DISEASE USING
13 CHIMERIC ANTI-TNF ANTIBODIES (As Amended)
14
15 (iii) NUMBER OF SEQUENCES: 19
16
17 (iv) CORRESPONDENCE ADDRESS:
18 (A) ADDRESSEE: Hamilton, Brook, Smith & Reynolds, P.C.
19 (B) STREET: Two Militia Drive
20 (C) CITY: Lexington
21 (D) STATE: Massachusetts
22 (E) COUNTRY: USA
23 (F) ZIP: 02173
24
25 (v) COMPUTER READABLE FORM:
26 (A) MEDIUM TYPE: Floppy disk
27 (B) COMPUTER: IBM PC compatible
28 (C) OPERATING SYSTEM: PC-DOS/MS-DOS
29 (D) SOFTWARE: PatentIn Release #1.0, Version #1.25
30
31 (vi) CURRENT APPLICATION DATA:
32 (A) APPLICATION NUMBER: 08/192,861
33 (B) FILING DATE: 04-FEB-1994
34
35 (vii) PRIOR APPLICATION DATA:
36 (A) APPLICATION NUMBER: US 08/013,413
37 (B) FILING DATE: 02-FEB-1993
38
39 (vii) PRIOR APPLICATION DATA:
40 (A) APPLICATION NUMBER: US 08/010,406
41 (B) FILING DATE: 29-JAN-1993
42
43 (vii) PRIOR APPLICATION DATA:
44 (A) APPLICATION NUMBER: US 07/943,852
45 (B) FILING DATE: 11-SEP-1992
46

RAW SEQUENCE LISTING
PATENT APPLICATION US/08/192,861ADATE: 07/20/98
TIME: 11:46:53

INPUT SET: S27547.raw

47 (vii) PRIOR APPLICATION DATA:
48 (A) APPLICATION NUMBER: US 07/853,606
49 (B) FILING DATE: 18-MAR-1992
50
51 (vii) PRIOR APPLICATION DATA:
52 (A) APPLICATION NUMBER: US 07/670,827
53 (B) FILING DATE: 18-MAR-1991
54
55 (viii) ATTORNEY/AGENT INFORMATION:
56 (A) NAME: Brook, David E.
57 (B) REGISTRATION NUMBER: 22,592
58 (C) REFERENCE/DOCKET NUMBER: NYU93-01M2
59
60 (ix) TELECOMMUNICATION INFORMATION:
61 (A) TELEPHONE: (781) 861-6240
62 (B) TELEFAX: (781) 861-9540
63
64
65 (2) INFORMATION FOR SEQ ID NO:1:
66
67 (i) SEQUENCE CHARACTERISTICS:
68 (A) LENGTH: 157 amino acids
69 (B) TYPE: amino acid
70 (D) TOPOLOGY: linear
71
72 (ii) MOLECULE TYPE: peptide
73
74 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:
75
76 Val Arg Ser Ser Ser Arg Thr Pro Ser Asp Lys Pro Val Ala His Val
77 1 5 10 15
78
79 Val Ala Asn Pro Gln Ala Glu Gly Gln Leu Gln Trp Leu Asn Arg Arg
80 20 25 30
81
82 Ala Asn Ala Leu Leu Ala Asn Gly Val Glu Leu Arg Asp Asn Gln Leu
83 35 40 45
84
85 Val Val Pro Ser Glu Gly Leu Tyr Leu Ile Tyr Ser Gln Val Leu Phe
86 50 55 60
87
88 Lys Gly Gln Gly Cys Pro Ser Thr His Val Leu Leu Thr His Thr Ile
89 65 70 75 80
90
91 Ser Arg Ile Ala Val Ser Tyr Gln Thr Lys Val Asn Leu Leu Ser Ala
92 85 90 95
93
94 Ile Lys Ser Pro Cys Gln Arg Glu Thr Pro Glu Gly Ala Glu Ala Lys
95 100 105 110
96
97 Pro Trp Tyr Glu Pro Ile Tyr Leu Gly Gly Val Phe Gln Leu Glu Lys
98 115 120 125
99

RAW SEQUENCE LISTING PATENT APPLICATION US/08/192,861A

DATE: 07/20/98
TIME: 11:46:55

INPUT SET: S27547.raw

100 Gly Asp Arg Leu Ser Ala Glu Ile Asn Arg Pro Asp Tyr Leu Asp Phe
101 130 135 140

102
103 Ala Glu Ser Gly Gln Val Tyr Phe Gly Ile Ile Ala Leu
104 145 150 155
105
106

(2) INFORMATION FOR SEQ ID NO:2:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 321 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(ix) FEATURE:

- (A) NAME/KEY: CDS
- (B) LOCATION: 1..321

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:

128 GAC ATC TTG CTG ACT CAG TCT CCA GCC ATC CTG TCT GTG AGT CCA GGA 48
129 Asp Ile Leu Leu Thr Gln Ser Pro Ala Ile Leu Ser Val Ser Pro Gly
130 1 5 10 15
131
132 GAA AGA GTC AGT TTC TCC TGC AGG GCC AGT CAG TTC GTT GGC TCA AGC 96
133 Glu Arg Val Ser Phe Ser Cys Arg Ala Ser Gln Phe Val Gly Ser Ser
134 20 25 30
135
136 ATC CAC TGG TAT CAG CAA AGA ACA AAT GGT TCT CCA AGG CTT CTC ATA 144
137 Ile His Trp Tyr Gln Gln Arg Thr Asn Gly Ser Pro Arg Leu Leu Ile
138 35 40 45
139
140 AAG TAT GCT TCT GAG TCT ATG TCT GGG ATC CCT TCC AGG TTT AGT GGC 192
141 Lys Tyr Ala Ser Glu Ser Met Ser Gly Ile Pro Ser Arg Phe Ser Gly
142 50 55 60
143
144 AGT GGA TCA GGG ACA GAT TTT ACT CTT AGC ATC AAC ACT GTG GAG TCT 240
145 Ser Gly Ser Gly Thr Asp Phe Thr Leu Ser Ile Asn Thr Val Glu Ser
146 65 70 75 80
147
148 GAA GAT ATT GCA GAT TAT TAC TGT CAA CAA AGT CAT AGC TGG CCA TTC 288
149 Glu Asp Ile Ala Asp Tyr Tyr Cys Gln Ser His Ser Trp Pro Phe
150 85 90 95
151
152 ACG TTC GGC TCG GGG ACA AAT TTG GAA GTA AAA 321

RAW SEQUENCE LISTING
PATENT APPLICATION US/08/192,861ADATE: 07/20/98
TIME: 11:46:56

INPUT SET: S27547.raw

153 Thr Phe Gly Ser Gly Thr Asn Leu Glu Val Lys
154 100 105
155
156

157 (2) INFORMATION FOR SEQ ID NO:3:

158 (i) SEQUENCE CHARACTERISTICS:

159 (A) LENGTH: 107 amino acids

160 (B) TYPE: amino acid

161 (D) TOPOLOGY: linear

162

163 (ii) MOLECULE TYPE: protein

164

165 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:

166

168 Asp Ile Leu Leu Thr Gln Ser Pro Ala Ile Leu Ser Val Ser Pro Gly
169 1 5 10 15
170

171 Glu Arg Val Ser Phe Ser Cys Arg Ala Ser Gln Phe Val Gly Ser Ser
172 20 25 30
173

174 Ile His Trp Tyr Gln Gln Arg Thr Asn Gly Ser Pro Arg Leu Leu Ile
175 35 40 45
176

177 Lys Tyr Ala Ser Glu Ser Met Ser Gly Ile Pro Ser Arg Phe Ser Gly
178 50 55 60
179

180 Ser Gly Ser Gly Thr Asp Phe Thr Leu Ser Ile Asn Thr Val Glu Ser
181 65 70 75 80
182

183 Glu Asp Ile Ala Asp Tyr Tyr Cys Gln Gln Ser His Ser Trp Pro Phe
184 85 90 95
185

186 Thr Phe Gly Ser Gly Thr Asn Leu Glu Val Lys
187 100 105
188

189 (2) INFORMATION FOR SEQ ID NO:4:

190

191 (i) SEQUENCE CHARACTERISTICS:

192 (A) LENGTH: 357 base pairs

193 (B) TYPE: nucleic acid

194 (C) STRANDEDNESS: single

195 (D) TOPOLOGY: linear

196

197 (ii) MOLECULE TYPE: cDNA

198

199

200 (ix) FEATURE:

201 (A) NAME/KEY: CDS

202 (B) LOCATION: 1..357

203

204

205 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:

RAW SEQUENCE LISTING PATENT APPLICATION US/08/192,861A

DATE: 07/20/98
TIME: 11:46:58

INPUT SET: S27547.raw

```

206
207   GAA GTG AAG CTT GAG GAG TCT GGA GGA GGC TTG GTG CAA CCT GGA GGA   48
208   Glu Val Lys Leu Glu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
209       1               5               10               15
210
211   TCC ATG AAA CTC TCC TGT GTT GCC TCT GGA TTC ATT TTC AGT AAC CAC   96
212   Ser Met Lys Leu Ser Cys Val Ala Ser Gly Phe Ile Phe Ser Asn His
213               20               25               30
214
215   TGG ATG AAC TGG GTC CGC CAG TCT CCA GAG AAG GGG CTT GAG TGG GTT  144
216   Trp Met Asn Trp Val Arg Gln Ser Pro Glu Lys Gly Leu Glu Trp Val
217               35               40               45
218
219   GCT GAA ATT AGA TCA AAA TCT ATT AAT TCT GCA ACA CAT TAT GCG GAG  192
220   Ala Glu Ile Arg Ser Lys Ser Ile Asn Ser Ala Thr His Tyr Ala Glu
221               50               55               60
222
223   TCT GTG AAA GGG AGG TTC ACC ATC TCA AGA GAT GAT TCC AAA AGT GCT  240
224   Ser Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asp Ser Lys Ser Ala
225       65               70               75               80
226
227   GTC TAC CTG CAA ATG ACC GAC TTA AGA ACT GAA GAC ACT GGC GTT TAT  288
228   Val Tyr Leu Gln Met Thr Asp Leu Arg Thr Glu Asp Thr Gly Val Tyr
229               85               90               95
230
231   TAC TGT TCC AGG AAT TAC TAC GGT AGT ACC TAC GAC TAC TGG GGC CAA  336
232   Tyr Cys Ser Arg Asn Tyr Tyr Gly Ser Thr Tyr Asp Tyr Trp Gly Gln
233               100               105               110
234
235   GGC ACC ACT CTC ACA GTC TCC                               357
236   Gly Thr Thr Leu Thr Val Ser
237       115
238
239

```

(2) INFORMATION FOR SEQ ID NO:5:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 119 amino acids

(B) TYPE: amino acid

(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: protein

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:5:

```

251
252
253   Glu Val Lys Leu Glu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
254       1               5               10               15
255
256   Ser Met Lys Leu Ser Cys Val Ala Ser Gly Phe Ile Phe Ser Asn His
257               20               25               30
258

```

PAGE: 1

SEQUENCE VERIFICATION REPORT
PATENT APPLICATION US/08/192,861A

DATE: 07/20/98
TIME: 11:47:00

INPUT SET: S27547.raw

Line

Error

Original Text